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CLAIMS

Please amend the claims as follows:

1. (Previously presented) A method of providing data, the method comprising:

storing a first set of encryption data associated with a first data stream wherein the first data stream includes a first number of services;

encrypting the first data stream having a first-level-of-encryption;

sending the first data stream to a destination device for decryption;

storing a second set of encryption data associated with a second data stream wherein the second data stream includes a second number of services that is different from the first number of services;

encrypting the second data stream having a second-level-of-encryption, the first-level-of-encryption being different from the second-level-of-encryption;

utilizing a common memory to encrypt the first data stream at said first-level-of-encryption and to encrypt the second data stream at the second-level-of-encryption; and

sending the second data stream to the destination device for decryption.

2. (Previously presented) The method of claim 1 wherein the first set of encryption data comprises at least one encryption key.

3. (Previously presented) The method of claim 1 wherein the destination device comprises a set-top box.

4. (Previously presented) The method of claim 3 further comprising storing a plurality of decryption algorithms at the set-top box.

5. (Canceled)

6. (Previously presented) The method of claim 1 wherein the first-level of encryption utilizes the Data Encryption Standard and wherein the second-level-of-encryption utilizes an encryption algorithm different from said Data Encryption Standard.

7. (Presently amended) The method of ~~the~~ claim 1 further comprising:

decrypting the first data stream at the set-top box; and

decrypting the second data stream at the set-top box.

8. (Previously presented) The method of claim 1 further comprising storing a portion of the first set of encryption data in a RAM.

9. (Previously presented) The method of claim 1 further comprising storing a portion of the first set of encryption data in a register of a microprocessor.

10-13. (Canceled)

14. (Previously presented) A method of allocating resources comprising:

allocating a memory with a first set of decryption data corresponding to a first-level-of-encryption;

receiving from an originating source a first data stream having the first-level-of-encryption and a first number of services;

re-allocating the memory with a second set of decryption data corresponding to a second-level-of-encryption the second-level-of-encryption being different from the first-level-of-encryption of the first data stream;

receiving from the originating source a second data stream having the second-level-of-encryption and a second number of services different from the first number of services; and

storing in memory said first set of decryption data corresponding to a first level of encryption and second set of decryption data corresponding to said second level of encryption.

15. (Previously presented) The method of claim 14 further comprising detecting that the second-level-of-encryption of the second data stream is different from the first-level-of-encryption of the first data stream.

16. (Previously presented) The method of claim 14 wherein the allocating a memory with a first set of decryption data corresponding to the first-level-of encryption comprises storing decryption key data.

17. (Previously presented) The method of claim 16 wherein the re-allocating the memory with a second set of decryption data corresponding to said second-level-of-encryption comprises storing decryption key data.

18-22. (Canceled)

23. (Previously presented) A method of providing encrypted data, said method comprising:

providing a first set of services comprised of a first number of services ;

encrypting at least one of said services from said first set of services at a first-level-of-encryption;

combining the first set of services into a first data stream;

transmitting said first data stream;

storing a first set of decryption keys associated with said first-level-of-encryption, said first set of keys corresponding to the decryption algorithm for the first-level-of-encryption;

providing a second set of services comprised of a second number services different from the first number of services;

encrypting at least one of said services from said second set of services with an encryption algorithm different from said first-level-of-encryption;

combining the second set of services into a second data stream;

transmitting said second data stream;

storing a second set of decryption keys associated with said second-level-of-encryption in said integrated circuit in said set-top box.

24. (Previously presented) A method of processing received data comprising:

storing a first set of decryption data associated with a first data stream wherein the first data stream includes a first number of services;

receiving the first data stream wherein the first data stream has a first-level-of-encryption;

decrypting the first data stream using the first set of decryption data;

storing a second set of decryption data associated with a second data stream wherein the second data stream includes a second number of services;

receiving the second data stream wherein the second data stream has a second-level-of-encryption;

decrypting the second data stream using the second set of decryption data; and

utilizing a common memory to decrypt the first data stream and the second data stream.

25. (Previously presented) The method of claim 24 wherein the first set of decryption data comprises at least one decryption key.

26. (Previously presented) The method of claim 24 wherein the second set of decryption data comprises at least one decryption key.